abcam

Product datasheet

Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] ab151549

重组 RabMAb®

★★★★★ **2 Abreviews**　　**92 References**　　9 图像

概述

产品名称	Anti-PI3 Kinase p110 beta抗体[EPR5515(2)]
描述	兔单克隆抗体[EPR5515(2)] to PI3 Kinase p110 beta
宿主	Rabbit
经测试应用	**适用于：** Flow Cyt (Intra), WB, ICC/IF **不适用于：** IHC-P
种属反应性	**与反应：** Mouse, Rat, Human
免疫原	Synthetic peptide within Human PI3 Kinase p110 beta aa 400-500. The exact sequence is proprietary.
阳性对照	MCF-7, Jurkat, K562 and 293T cell lysates; Human brain tissue; 293 cells. Rat Brain Lysate, Mouse Brain Lysate
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5515(2)
同种型	IgG

应用

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳**的稀释度/浓度应**由使用者**检定。
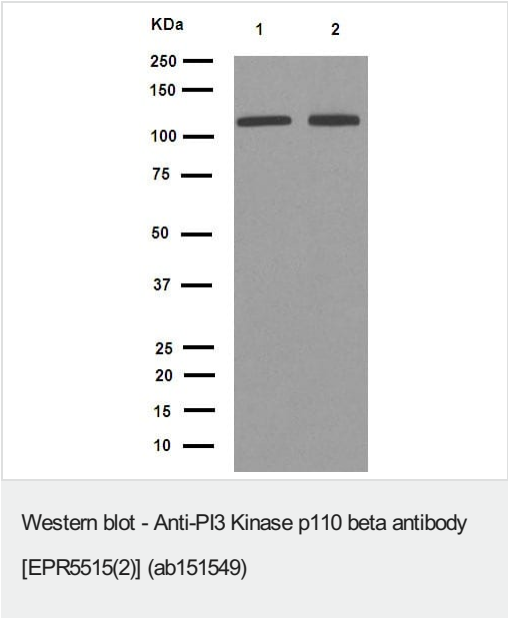
应用	Ab评论	说明
Flow Cyt (Intra)		1/20. For unpurified use at 1/100 - 1/1000. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ <u>(2)</u>	1/1000. Predicted molecular weight: 123 kDa. **For unpurified use at 1/1000 - 1/10000.**
ICC/IF		1/150. **For unpurified use at 1/250 - 1/500.**

应用说明   Is unsuitable for IHC-P.

靶标

功能	Phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2.
组织特异性	Expressed ubiquitously.
通路	Phospholipid metabolism; phosphatidylinositol phosphate biosynthesis.
序列相似性	Belongs to the PI3/PI4-kinase family. Contains 1 PI3K/PI4K domain.

图片

Western blot - Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549)
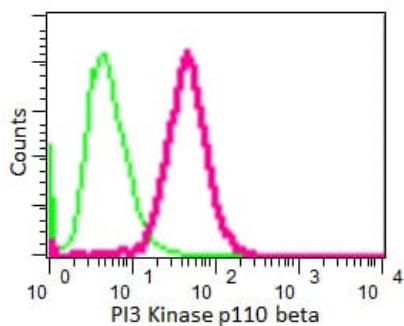
All lanes : Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549) at 1/1000 dilution

Lane 1 : Rat Brain Lysate

Lane 2 : Mouse Brain Lysate
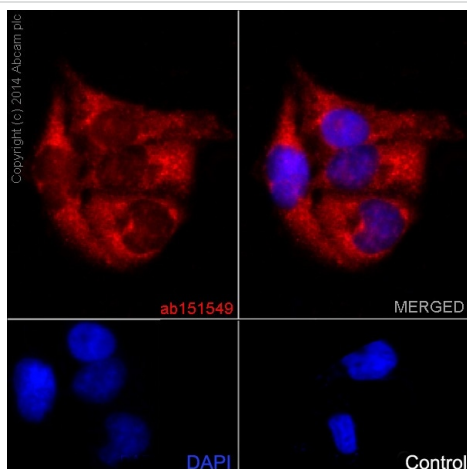
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution
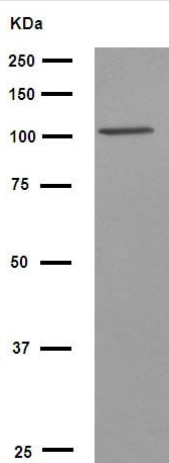
Predicted band size: 123 kDa

Overlay histogram showingSH-SY5Y cells stained with **ab131260** (red line) at 1/20 dilution. The cells were fixed with 2% Paraformaldehyde. The secondary antibody used was a FITC conjugated goat anti-rabbit IgG at 1/150 dilution. Isotype control antibody (green line) was rabbit monoclonal IgG used under the same conditions.

Flow Cytometry (Intracellular) - Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549)

ab151549 staining PI3 Kinase p110 in the HeLa cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody (1/150).**ab150082** an Alexa Fluor®555-conjugated Goat anti-rabbit IgG(1/500) was used as the secondary antibody. Nuclei were counterstained with DAPI.

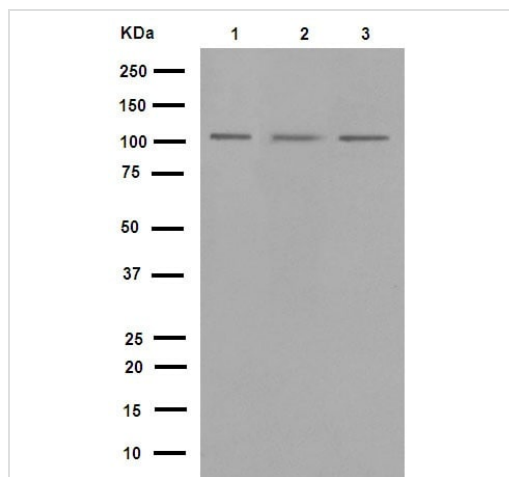Immunocytochemistry/ Immunofluorescence - Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549)

Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549) at 1/5000 dilution + K562 Cell Lysate at 10 µg

Secondary
Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

Predicted band size: 123 kDa
Observed band size: 110 kDa

Western blot - Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549)

Western blot - Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549)

All lanes : Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549) at 1/1000 dilution

Lane 1 : 293 Cell Lysate
Lane 2 : Jurkat Cell Lysate
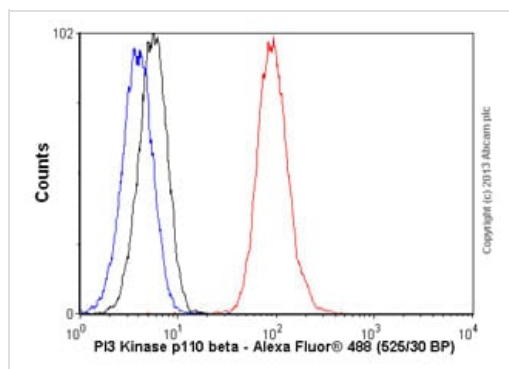**Lane 3 :** MCF-7 Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
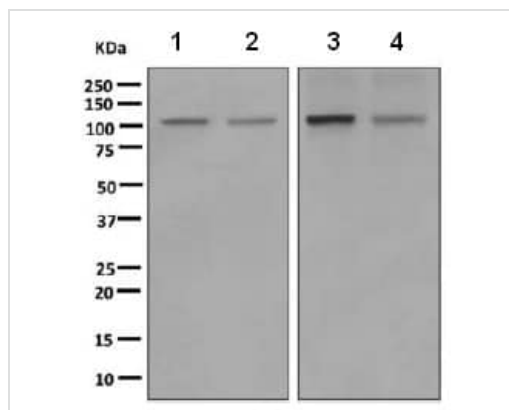**All lanes :** Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

Predicted band size: 123 kDa
Observed band size: 110 kDa

Flow Cytometry (Intracellular) - Anti-PI3 Kinase p110 beta antibody [EPR5515(2)] (ab151549)

Overlay histogram showing HeLa cells stained with unpurified ab151549 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab151549, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

Western blot - Anti-PI3 Kinase p110 beta antibody
[EPR5515(2)] (ab151549)

All lanes : Anti-PI3 Kinase p110 beta antibody [EPR5515(2)]
(ab151549) at 1/1000 dilution (unpurified)

Lane 1 : MCF7 cell lysate

Lane 2 : Jurkat cell lysate
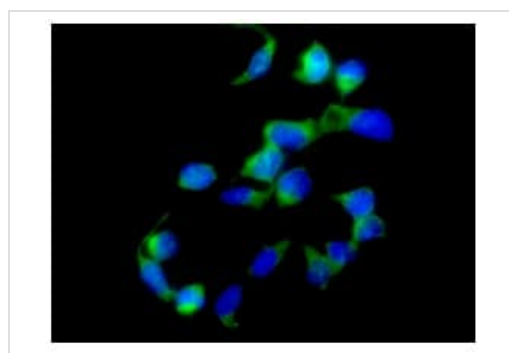
Lane 3 : K562 cell lysate

Lane 4 : 293T cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 123 kDa

Immunocytochemistry/ Immunofluorescence - Anti-
PI3 Kinase p110 beta antibody [EPR5515(2)]
(ab151549)

Immunofluorescent analysis of 293 cells labelling PI3 Kinase p110
beta with unpurified ab151549 at 1/10 dilution.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-PI3 Kinase p110 beta antibody [EPR5515(2)]

(ab151549)

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